



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020
Exp. 01/31/2023

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark <u>N757GT</u>	Serial No. <u>R182 01229</u>	
	Make <u>Cessna</u>	Model <u>R182</u>	Series
2. Owner	Name (As shown on registration certificate) <u>MRC80 MANAGEMENT LLC</u>		Address (As shown on registration certificate)
			Address <u>22090 WHITE PINE CIRCLE</u>
			City <u>EDMUND</u> State <u>OK</u>
			Zip <u>73012</u> Country <u>USA</u>

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Cessna</u>	(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name <u>BLAINE MCCOLGIN</u>		<input checked="" type="checkbox"/> U. S. Certified Mechanic	Manufacturer
Address <u>21851 N. WESTERN AVE</u>		<input type="checkbox"/> Foreign Certified Mechanic	C. Certificate No.
City <u>MULHALL</u> State <u>OK</u>		<input type="checkbox"/> Certified Repair Station	
Zip <u>73063</u> Country <u>USA</u>		<input type="checkbox"/> Certified Maintenance Organization	<u>3394208</u>

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel
per 14 CFR Part 43
App. B ☐

Signature/Date of Authorized Individual

Blaine McColgin 03/18/2023

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station <input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)

Certificate or Designation No.

003394208

Signature/Date of Authorized Individual

Blaine McColgin 03/18/2023

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N757GT
Nationality and Registration Mark

03/18/2023
Date

Installation of vortex generators on the wings and tail surfaces in accordance with the provisions of AML SA00834SE and STC#SA00834SE.

Instructions for Continued Airworthiness of Micro Vortex Generator Installations are stated on VG Operating Placard #MA8001 which must be installed in an easily seen location in the cockpit. This placard states: "if more than 5 VGs are damaged or missing, the aircraft is not airworthy." To make it airworthy, the missing VGs in excess of five need to be replaced. The VGs should be examined prior to each flight, during the pre-flight inspection, to determine if any are missing or damaged. Missing or damaged VGs in excess of five need to be replaced by the installation of a new (replacement) part. Installation is accomplished with Loctite Depend Adhesive #330. No other maintenance or inspections are necessary.

Negligible weight change

END

☐ Additional Sheets Are Attached

United States of America
Department of Transportation—Federal Aviation Administration
Supplemental Type Certificate

Number SA00834SE

This certificate, issued to Micro AeroDynamics, Inc.
4000 Airport Road, Suite D
Anacortes, WA 98221

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product—Type Certificate Number: *See attached FAA Approved Model List (AML)
Make: No. SA00834SE for a list of approved airplane
Model: models and applicable airworthiness regulations.

Description of the Type Design Change: Installation of vortex generators on the wings and tail surfaces in accordance with the provisions of AML SA00834SE.

NOTE: If more than five vortex generators are damaged or missing, the aircraft is not airworthy.

Limitations and Conditions: Approval of this change in type design applies to the aircraft listed on AML SA00834SE only. This approval should not be extended to other aircraft on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. NOTE: Compatibility of this modification with R/STOL Systems Supplemental Type Certificate SA1382WE has been demonstrated by flight testing. A copy of this Certificate and AML must be maintained as part of the permanent records for the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 8, 2000

Date reissued:

Date of issuance: August 11, 2000

Date amended:



By direction of the Administrator

Adrian D. Smith
(Signature)

Acting Manager, Seattle Aircraft
Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/23/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N757GT	Serial No. R18201229	
	Make Cessna	Model R182	Series
2. Owner	Name (As shown on registration certificate) N757GT LLC	Address (As shown on registration certificate)	
		Address 10692 Angelina Drive	
		City North Royalton	State Ohio
		Zip 44133	Country USA

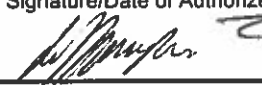
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Jeffrey W. Turner		<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
Address 2830 Plymouth Springmill Road		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City Shelby State Ohio		<input type="checkbox"/> Certificated Repair Station	AP3371638IA
Zip 44875 Country USA		<input type="checkbox"/> Certificated Maintenance Organization	

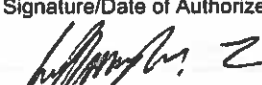
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  AP3371638IA 9/3/21
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	

Certificate or Designation No. AP3371638IA	Signature/Date of Authorized Individual  AP3371638IA 9/3/21
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N757GT

Nationality and Registration Mark

9/3/21

Date

1) Removed the sun visors and installed the ROSEN sun visors:

P/N ON: R1020000

S/N ON: NSN

Installed the visors under STC SA01436SE.

Installed referencing the installation instructions document # 9051-0102-004.

2) Installed the wing mirror by WILCO.

P/N ON: W210106-7

S/N ON: NSN

Installed the wing mirror under STC SA2790CE.

Installed referencing the installation drawing W182107.

-----END-----

☐ Additional Sheets Are Attached

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA01436SE

This certificate, issued to

Rosen Sunvisor Systems, LLC
86365 College View Road
Eugene, OR 97405

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.

Original Product—Type Certificate Number:

* See attached Approved Model List

Make:

No. SA01436SE for list of approved airplane models

Model:

and the applicable airworthiness regulations

Description of the Type Design Change: The manufacture of a cockpit sunvisor retrofit kit in accordance with Rosen Sunvisor Systems Master Drawing List No. 1020000-DL, Revision A, dated May 4, 2004, or later Federal Aviation Administration (FAA) approved revision. The sunvisor system must be installed and maintained in accordance with Rosen Sunvisor Systems Installation and Continued Airworthiness Instructions Document 9050-0102-004, Revision A, dated May 20, 2004, or later FAA approved revision.

Limitations and Conditions: This STC must be concurrently installed with the applicable STC listed on the AML. Approval of this change in type design applies to the aircraft models listed above only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effects upon the airworthiness of that aircraft. A copy of this Certificate must be maintained as part of the permanent record of the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 20, 2004

Date reissued:

Date of issuance: August 2, 2004

Date amended:



By direction of the Administrator
Jan A. Rehl
(Signature)
Manager, Seattle Aircraft
Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

United States of America
Department of Transportation Federal Aviation Administration
Supplemental Type Certificate

Number SA00871SE

This certificate, issued to **Rosen Sunvisor Systems, LLC**
86365 College View Road
Eugene, OR 97405

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product—Type Certificate Number: * See attached FAA Approved Model List (AML)
Make: No. SA00871SE for a list of approved aircraft
Model: models and applicable airworthiness regulations.

Description of the Type Design Change: Cockpit sunvisor installation in accordance with Rosen Products LLC Drawing Lists per the attached Federal Aviation Administration (FAA) Approved Model List (AML) No. SA00871SE, dated April 8, 2005, or later FAA approved revision.

Limitations and Conditions: The approval of this change in type design applies to the aircraft models listed on FAA AML No. SA00871SE. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationships between this change and any other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA AML SA00871SE shall be maintained as part of the permanent records of the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 9, 2000

Date reissued: March 24, 2003; April 8, 2005

Date of issuance: January 25, 2001

Date amended: March 24, 2003; April 8, 2005



By direction of the Administrator

[Signature]
(Signature)

Acting Manager, Seattle Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

 US Department of Transportation Federal Aviation Administration		MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020 2/28/2011		Electronic Tracking Number	
		For FAA Use Only					
INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))							
1. Aircraft	Nationality and Registration Mark N757GT			Serial No. R18201229			
	Make Cessna			Model R182		Series	
2. Owner	Name (As shown on registration certificate) N757GT LLC			Address (As shown on registration certificate)			
				Address 10692 Angelina Drive			
				City North Royalton State Ohio		Zip 44133 Country USA	
3. For FAA Use Only							
4. Type		5. Unit Identification					
Repair	Alteration	Unit	Make	Model		Serial No.	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)		_____	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT					
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER					
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type				
			Manufacturer				
6. Conformity Statement							
A. Agency's Name and Address				B. Kind of Agency			
Name Modern Avionics & Maintenance, Inc.				U. S. Certificated Mechanic		Manufacturer	
Address 2000 Harrington Memorial Road, Hangar #532				Foreign Certificated Mechanic		C. Certificate No.	
City Mansfield State Ohio				<input checked="" type="checkbox"/> Certificated Repair Station		CRS #7MVR170C	
Zip 44903 Country USA				<input type="checkbox"/> Certificated Maintenance Organization			
D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.							
Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>			Signature/Date of Authorized Individual				
7. Approval for Return to Service							
Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected							
BY	FAA Fit. Standards Inspector		Manufacturer		Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee <input checked="" type="checkbox"/>	Repair Station		Inspection Authorization	Other (Specify)		
Certificate or Designation No. CRS# 7MVR170C			Signature/Date of Authorized Individual				

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N757GT

Nationality and Registration Mark

Date

1) Removed the GTX335 transponder and installed the GTX 345:

P/N OFF: 011-03300-40

S/N OFF: 3EE423091

P/N ON: 011-03302-41

S/N ON: 3EG441050

Installed the GTX 345 as a slide in replacement referencing the following documents:

- Installation Manual - STC, Part 23 GTX 3XX, P/N: 190-00734-10, REV 15, Dated June 1, 2021.
- Master Drawing List, Part 23 GTX 33X and GTX 3X5 ADS-B, P/N: 005-00734-04, REV 18, Dated July 1, 2021.
- Equipment List, Part 23 GTX 33X and GTX 3X5 ADS-B, P/N: 005-00734-05, REV 20, Dated July 1, 2021.
- AFMS Garmin GTX 33X and GTX 3X5 Transponders with ADS-B, P/N: 190-00734-15, REV 5, Dated June 1, 2021.
- Maintenance Manual w/ICA, Part 23 STC GTX 3XX, P/N: 190-00734-11, REV 8, Dated June 1, 2021.
- STC SA01714WI with AML - Part 23 (ADS-B), STC SA01714WI, REV 6, Dated August 1, 2019.

The aircraft has already been changed with this STC with the GTX 335 installation. The GTX 345 is a slide in replacement and does not talk to any panel mounted avionics.

This installation meets the performance requirements of 91.227 for ADS-B out compliance.

-----END-----

☐ Additional Sheets Are Attached

GARMIN.

DELIVERY PACK LIST



195973122

Seller	Ship To	Bill To
Garmin International Inc. 1100 E 151st Street Olathe KS 66062 United States Tel: (913) 397-8200	MODERN AVIONICS & MAINTENANCE INC 2000 HARRINGTON MEMORIAL RD HANGAR 532 Mansfield OH 44903 United States Tel: 216-577-8845	MODERN AVIONICS & MAINTENANCE 2000 HARRINGTON MEMORIAL RD STE 538 Mansfield OH 44903 United States

Date: 27-AUG-2021	Incoterms: EXW	No. Packages: 1	No. of Pallets: 0
Order Date: 27-AUG-2021	Carrier: FEDEX GROUND	Weight: 5.44 LB	
Order Type: Standard GI	Ship Method: FEDEXG-Parcel-GROUND PKG COMMERCIAL	Freight Terms: Freight by Header	
Customer No: 27108346			

Garmin Order No.: 140860828	Customer PO#: 27108346-270821163703
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Line No.	Product Code	Product Description	Qty Shipped	Net Weight
1.1	010-01216-46	GT345 GPS Standard Kit,nAB	1 EA	4.81 LB
Serial Number(s): 3EG441050			LPN/Container: 100575220	
2.1	013-00235-00	WAAS Antenna,GA35,White	1 EA	0.63 LB
Serial Number(s): 206969			LPN/Container: 100575220	

WARRANTY INFORMATION

Warranty Information: www.garmin.com/support/warranty

SALES TAX

Garmin International, Inc. is required by state law to collect sales/use tax in AL, AZ, CA, CT, FL, GA, HI, IL, IN, KS, LA, MA, ME, MI, MO, MN, MS, NC, NE, NJ, NM, NV, NY, OH, OK, PA, RI, TX, UT, VA, VT, WA, WI and WY. Tax is also collected on downloadable content in these states with the exception of Florida. Residents of any state not listed are responsible for reporting any applicable taxes on their purchases from Garmin International, Inc. to their states tax authorities. Please consult a tax professional in your state for guidance. Garmin does not provide tax or legal advice.

CERTIFICATE OF MATERIAL AND PROCESS CONFORMANCE

It is hereby certified that the articles described above are in conformance with GARMIN specifications and drawing for both the material and process the exception of any parts labeled experimental. Test reports and/or Data are on file as appropriate.

Date: 08/27/2021 Authorized Signature:  Designated Operations Representative

D11-03302-41



195973122



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N757GT	Serial No. R18201229	
	Make Cessna	Model R182	Series
2. Owner	Name (As shown on registration certificate) George Hicks Construction Inc	Address (As shown on registration certificate) Address: 400 Fort Lashley Ave. City: Talladega State: Alabama Zip: 35160-2338 Country: USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in Item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name: RainAir Avionics Services		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address: 280 Alredge Drive		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City: Albertville State: Alabama		<input checked="" type="checkbox"/> Certificated Repair Station	FAA CRS# 9RSR194C
Zip: 35950 Country: USA		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 5-09-19
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected					
BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport	
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)	
Certificate or Designation No. FAA CRS# 9RSR194C		Signature/Date of Authorized Individual 5-09-19			

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N757GT

Nationality and Registration Mark

May 09, 2019

Date

Registration #: N757GT Make/Model/SN: Cessna / R182 / R18201229 Tach: 1475.9

This FAA Form 337 documents the installation and enablement of a Garmin GTX 335 Mode S Transponder / Automatic Dependent Surveillance Broadcast Out (ADS-B Out) System, as a minor alteration. The system complies with the requirements of 14 CFR 91.225 and 91.227.

- A. A King KT 76A transponder, P/N: 066-1062-00, an ACK A30 Encoder, and a monopole transponder antenna were removed.
- B. Installed and enabled a Garmin GTX 335 Mode S Transponder / ADS-B System, P/N 011-03300-40, with ADS-B Out functionality per Garmin AML STC Number SA01714WI.
- C. The ADS-B Out equipment, Garmin GTX 335 Mode S Transponder / ADS-B System, P/N 011-03300-40, is compliant with FAA TSO's C112d and C166b.
- D. The GNSS position sensor is compliant with FAA TSO C146a, Class 3.
- E. The system electrical interface was installed in accordance with Garmin GTX 345 ADS-B Installation STC Number SA01714WI.
- F. Structural aspects of the installation were installed in accordance with Garmin GTX 345 ADS-B Installation STC Number SA01714WI.
- G. Test/Evaluation/Approval for Return to Service-
A satisfactory ground test of the ADS-B Out system was completed using a TIC TR-220 Transponder/ADS-B Test Set. The ground test checked for proper configuration and the equipment performance requirements of 14 CFR 91.227. A post installation flight test was not required.
- H. This alteration was completed and documented by RainAir Avionics Services, FAA CRS # 9RSR194C, at RainAir Avionics Services in Albertville, AL under Work Order # 661A.
- I. Flight Manual Revision:
A revision to the applicable airplane flight manual supplement has been inserted into the flight manual/Pilot's Operating Handbook containing the statement, "The installed ADS-B Out system has been shown to meet the equipment performance requirements of 14 CFR 91.227."
- J. The Instructions for Continued Airworthiness (ICA) for the ADS-B Out system are identified. The ICA has been provided to the aircraft owner/operator for incorporation into the aircraft maintenance program.
- K. Weight and balance change was calculated.
- L. The equipment list has been revised.
- M. The electrical load analysis is satisfactory.
- N. The appropriate logbook entries have been completed.
- O. The Garmin GTX 335 Mode S Transponder/ADS-B system is designed not to require regular general maintenance. The unit does not require periodic maintenance. Maintenance is "on condition" only. Service or repair is required only when a malfunction is detected.

-----END-----

☐ Additional Sheets Are Attached

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA01714WI

This certificate issued to Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

*certifies that the change in the type design for the following product with the limitations and conditions
thereof as specified herein meets the airworthiness requirements of Part 23* of the Federal Aviation
Regulations.*

Original Product - Type Certificate

Number: * See attached Approved Model List (AML) No.
Make: SA01714WI dated May 1, 2013 or later FAA-
Model: approved revision for list of approved aircraft models
and applicable airworthiness regulations.

Description of Type Design Change:

Installation of a Garmin transponders: (a) GTX 330/330D/33/33D with ADS-B Out functionality; (b) GTX 335/335R/345/345R with ADS-B Out and In functionality; or (c) GTX 335R/345R with ADS-B Out functionality in select airplanes installed with G950/G1000 systems.

Data Required:

- (1) Garmin Master Drawing List (MDL) 005-00734-04, Revision 1, dated May 1, 2013 or later FAA-approved revision.
- (2) Garmin Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual (AFMS), 190-00734-15, Revision 1, dated May 1, 2013 or later FAA-approved revision.

Limitations and Conditions:

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer.
- (2) Aircraft installations involving the Garmin transponder GTX 33/33D/330/330D models require the previous installation of an approved ADS-B position source. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.
- (3) Aircraft installations involving the Garmin transponder GTX 335/335R/345/345R models without an optional internal GPS require the previous installation of an approved ADS-B position source. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.

*This certificate and the supporting data which is the basis for approval shall remain in effect until
surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the
Federal Aviation Administration.*

Date of application: August 7, 2012

Date issued:

Date of issuance: May 1, 2013

Date amended: April 29, 2014, March 8, 2016



By direction of the Administrator

Michael Warren
(Signature)

Michael Warren
ODA STC Unit Administrator
ODA-240087-CE
Garmin International, Inc.

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate
(Continuation Sheet)

Number SA01714W1

Date of issuance: May 1, 2013

Date Amended: April 29, 2014, March 8, 2016

Limitations and Conditions (continued):

- (4) Aircraft with G950 or G1000 display systems are limited to Garmin transponder GTX 335R/345R models; see Table II of the attached AML. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.
- (5) Aircraft modified by this STC must be operated in accordance with the Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual (AFMS) identified above.
- (6) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) listed in the Master Drawing List (MDL) identified above.
- (7) If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

***Certification Basis**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

- a. The certification basis for parts not changed or not affected by this change is shown on the attached AML.
- b. The certification basis for parts changed or affected by this change is:

<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>
23.301 a	23-48	23.773 a(2)	23-45	23.1357 a, b, c, d	23-43
23.303	Original	23.777 a, b	23-62	23.1359 c	23-49
23.305	23-45	23.853 a	23-62	23.1365 a, b, d, e	23-49
23.307 a	Original	23.863 a, b	23-34	23.1367 a, b, c, d	Original
23.337	23-48	23.1301 a, b, c	23-62	23.1431 a, b	23-62
23.561 b(3), e	23-62	23.1306 a, b	23-61	23.1501 a, b	23-21
23.601	Original	23.1307	23-49	23.1525	23-45
23.603	23-23	23.1308 a, b, c	23-57	23.1529	23-26
23.605 a	23-23	23.1309 a(1)(2), b, c, d	23-62	23.1555 a, b, e(2)	23-62
23.607 a, b	23-48	23.1310	23-62	23.1581 a, b, c, f	23-50
23.611	23-48	23.1311 a(2)	23-62	23.1583 h, m	23-62
23.613 a, b	23-45	23.1322 b, d, e	23-43	23.1585 j	23-62
23.627	Original	23.1351 a	23-49	----	----
23.771 a	23-14	23.1353 h	23-62	----	----

-----END-----



Garmin International, Inc.
1200 East 151st Street
Olathe, Kansas 66062
P: 913-397-3200 F: 913-397-8282

May 10, 2019

Subject: Permission to Use STC SA01714WI or SR02124SE for Installation of Garmin GTX 335 ADS-B Transponder; See Approved Model List (AML) for Approved Aircraft Models

Pursuant to 49 U.S.C. 44704, 14 CFR § 21.120, 14 CFR § 91.403(d), FAA Order 8110.48 and FAA Advisory Circular 21-40; Garmin International, Inc. hereby grants permission to George Hicks Construction owner/operator of Cessna R182 bearing manufacturer's serial number R18201229 to use FAA Supplemental Type Certificate (STC) SA01714WI or SR02124SE and deliverable data associated with it, for the sole and express purpose of installation and approval of the installation of a panel-mount Garmin GTX 335 with GPS ADS-B Transponder into the above referenced aircraft. Installer must either: verify airframe eligibility per STC SA01714WI or SR02124SE with the associated Approved Model List (AML), or reference FAA Memorandum 'Installation Approval for ADS-B OUT Systems' or FAA Notice 8900.362 'Policy for Installation of ADS-B OUT Systems'. Following the aircraft modification, a copy of this permission letter should be placed in the aircraft's permanent records. Alteration or reproduction of this letter is strictly prohibited.

Eric Frisk

Aircraft Certification Engineering Manager
Garmin International, Inc.



1200 East 151st Street
Olathe, KS 66062
P: 913-397-8200 F: 913-397-8282

July 11, 2018

Subject: Authorization for STC Use
AML STC SA01714WI

Garmin authorized dealers are hereby granted permission to use Garmin AML STC SA01714WI data to modify aircraft.

A handwritten signature in dark ink, appearing to read "Emmett Griffith", with a long horizontal line extending to the right.

Emmett Griffith
Director of Engineering
Garmin International, Inc.



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make CESSNA	Model 182 RG
	Serial No. R182-01229	Nationality and Registration Mark N 757GT
2. Owner	Name (As shown on registration certificate) GEORGE HICKS CONSTRUCTION CO.	Address (As shown on registration certificate) 400 FORT LASHLEY AVE. TALLADEGA AL. 35160-2338

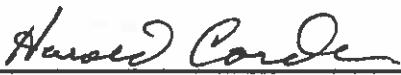
3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in Item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

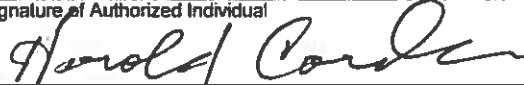
A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
HAROLD CORDLE PO BOX 157 EASTABOGA, AL. 36260	<input checked="" type="checkbox"/> U.S. Certified Mechanic	254541366
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input type="checkbox"/> Certified Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 6/30/05	Signature of Authorized Individual 
-----------------	--

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 6/30/05		Certificate or Designation No. 254541366	Signature of Authorized Individual 		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

INSTALLED PRECISE FLIGHT STANDBY VACUM SYSTEM PER. STC.
SA2162NM ALL WORK DONE IN ACCORDANCE WITH PRECISE
FLIGHT ENGINEERING DRAWINGS DATED APRIL 14,2000.

-----END-----

☐ Additional Sheets Are Attached

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA2162NM

This certificate, issued to **Precise Flight, Inc.
63120 Powell Butte Rd.
Bend, OR 97701**

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product—Type Certificate Number: *See attached FAA Approved Model List (AML)
Make: No. SA2162NM for list of approved airplane models
Model: and applicable airworthiness regulations

Description of the Type Design Change: Installation of Precise Flight, Inc. Stand-By Vacuum System (SVS) in accordance with the appropriate Precise Flight, Inc. Engineering Drawing listed on FAA Approved Model List No. SA2162NM, dated April 14, 2000, or later FAA approved revision.

NOTE: As a prerequisite to this change, the engine must be modified in accordance with Precise Flight, Inc. STC No. SE1779NM or SE1780NM, dated December 28, 1982, or later FAA approved revision. Also, modified aircraft must be equipped with a vacuum indicator.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate, AML No. SA2162NM and the appropriate FAA Approved Flight Manual Supplement (AFMS) listed on AML No. SA2162NM must be maintained as part of the permanent records for the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: October 31, 1983
Date of issuance: November 7, 1983

Date reissued:
Date amended: December 16, 1983; December 7, 1984;
July 25, 1990; April 14, 2000



By direction of the Administrator
Edmund J. Conner
(Signature)

Acting Manager, Seattle Aircraft Certification Office
(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)		Form Approved OMB No. 2120-0020		
US Department of Transportation Federal Aviation Administration		For FAA Use Only Office Identification		
INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).				
1. Aircraft	Make CESSNA	Model R 182		
	Serial No. R182 01229	Nationality and Registration Mark N 757GT		
2. Owner	Name (As shown on registration certificate) GEORGE HICKS CONSTRUCTION CO.		Address (As shown on registration certificate) 400 FORT LASHLEY AV. TALLADEGA, AL 35160	
3. For FAA Use Only				
4. Unit Identification				
Unit	Make	Model	Serial No.	5. Type
AIRFRAME	(As described in item 1 above)			Repair
POWERPLANT				Alteration
PROPELLER				
APPLIANCE	Type			
	Manufacturer			
6. Conformity Statement				
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.
HAROLD CORDLE PO BOX 157 EASTABOGA, AL 36260		<input checked="" type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certified Repair Station <input type="checkbox"/> Manufacturer		254541366
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.				
Date 6/26/04		Signature of Authorized Individual 		
7. Approval for Return To Service				
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED				
BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group
Date of Approval or Rejection 6/26/04		Certificate or Designation No. 254541366	Signature of Authorized Individual 	

Department
\$w

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

This certificate

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work accomplished.)
**INSTALLED FLAP GAP SEAL KIT PER. STC SA2382NM FROM KNOTS 2U
 LTD. WEIGHT AND BALANCE CHANGE MADE. ALL WORK DONE IN
 ACCORDANCE WITH STC DRAWINGS C100/200FGS.**

END

3. For FAA Use Only

Item	Location	Initials	Date	Type	Remarks
1. AIRCRAFT					
2. ENGINE					
3. PROPELLER					
4. FLAP					
5. LANDING GEAR					
6. CONTINUITY STATEMENT					
7. APPROVAL FOR RETURN TO SERVICE					
8. APPROVAL FOR RETURN TO SERVICE					
9. APPROVAL FOR RETURN TO SERVICE					
10. APPROVAL FOR RETURN TO SERVICE					
11. APPROVAL FOR RETURN TO SERVICE					
12. APPROVAL FOR RETURN TO SERVICE					
13. APPROVAL FOR RETURN TO SERVICE					
14. APPROVAL FOR RETURN TO SERVICE					
15. APPROVAL FOR RETURN TO SERVICE					
16. APPROVAL FOR RETURN TO SERVICE					
17. APPROVAL FOR RETURN TO SERVICE					
18. APPROVAL FOR RETURN TO SERVICE					
19. APPROVAL FOR RETURN TO SERVICE					
20. APPROVAL FOR RETURN TO SERVICE					

Additional Sheets Are Attached

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA2382NM

This certificate issued to

Knots 2U, Ltd.
703 Airport Road
Burlington, WI 53105

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part * of the * Regulations. **

*Original Product - Type Certificate Number ** (*see attached FAA Approved Model

Make : *

List (AML) No. SA2382NM for list of

Model : *

Approved airplane models and applicable airworthiness regulations)

Description of Type Design Change

Installation of Aileron and Flap Gap Seals in accordance with the Knots 2U, Ltd. Installation Manual as listed on AML No. SA2382NM, or later FAA approved revisions.

Limitations and Conditions: 1. Any or all combinations of the above items are approved. 2. Compatibility of this design change with previously approved modifications must be determined by the installer. 3. A copy of this Certificate and FAA Approved Model List (AML) No. SA2382NM, amended January 22, 2002, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft. 4. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application : November 16, 1983 .

Date received : 05/30/84; 05/13/99; 01/22/02

Date of issuance : May 14, 1984

Date amended : 02/14/85; 03/15/85; 05/01/85; 05/13/99;
06/09/00; 01/22/02



By direction of the Administrator

Gregory J. Michalik

(Signature)

Gregory J. Michalik, Senior Aerospace Engineer
Airframe & Administrative Branch
Chicago Aircraft Certification Office

(Title)

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form Approved
Budget Bureau No. 04-R060.1

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE	CESSNA	MODEL	R182
	SERIAL NO.	R182-01229	NATIONALITY AND REGISTRATION MARK	N757GT
2. OWNER	NAME (As shown on registration certificate)		ADDRESS (As shown on registration certificate)	
	Drydad INvestments Ltd		Corporation Trust Center 1209 Orange Street Wilmington, DE 19801	

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Scott J. Fournet AvTech, Inc. P.O. Box 7179 Opelousas, La. 70570	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	438808099
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
3-1-96	<i>Scott J. Fournet</i>

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/> INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL	
3-1-96		438808099IA	<i>Scott J. Fournet</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed Brackett Aircraft Co. Inc. Induction Air Filter Assembly
BA-2510 per STC#SA71GL in accordance with drawings and instructions
provided

END

☐ ADDITIONAL SHEETS ARE ATTACHED

BRACKETT AIR FILTERS

INSTRUCTIONS

ASSEMBLY PART NO. BA-2510

APPROVED ON AIRCRAFT MODELS: SEE FAA APPROVED APPLICABILITY LIST

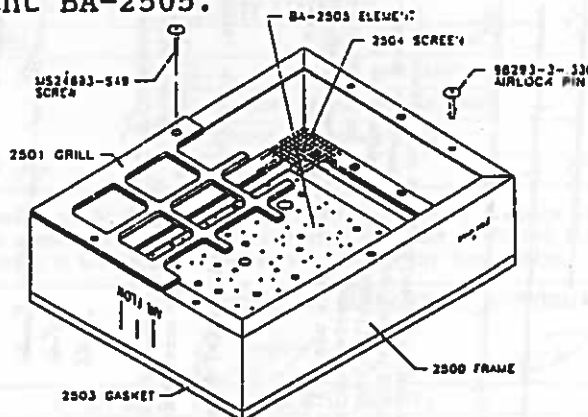
REPLACES: Cessna PN C 294510-0901

FAA APPROVAL DATA: STC-SA71GL List No. 1
FAA-PMA Supplement No. 1

Your new polyurethane air filter element has been designed to give maximum dust collecting efficiency, good air flow, lightweight, and economical replacement. The element has been treated with a special treatment called a wetted agent and is approximately 98% efficient. The special wetted agent is the secret to the efficiency of capturing dust and repelling water. The element has also been treated with a fire retardant. For the above reasons, replace the element each 200 hours of use or every 12 months or when 50% covered with foreign material. DO NOT WASH AND REUSE.

INSTALLATION INSTRUCTIONS

- Step 1. Remove original air filter and discard.
- Step 2. Install replacement filter frame PN BA-2500. NOTE: Due to the soft neoprene gasket it will require firm pressure on you screw driver to compress the gasket and lock the studs. The frame is now permanently mounted.
- Step 3. Remove element BA-2505 from plastic bag, install into frame PN BA-2500, making sure it has made good contact on all sides.
- Step 4. Install the grill, PN BA-2501, with the 4 ea. 8-32 screws.
- Step 5. For future element replacements remove the grill only and replace element BA-2505.



- Step 6. NOTE: After initial installation of filter assembly fill out FAA Form 337 for return to service. On future replacement of parts this form will not be required.

SERVICING: Under normal conditions, replace filter element, PN BA-2505, after 200 hours use or 1 year intervals. Under severely dusty conditions, check daily and replace when element is 50% covered with foreign material.

BRACKETT AIRCRAFT
STC SA710L
APPROVED MODEL LIST

PAGE NO. 6

BRACKETT FILTER MODEL BA-2610L & R			
AIRCRAFT MODEL	T.C. NO.	DESCRIPTION OF THE DESIGN CHANGES	APPROVED DATE
Cessna T210F, T210G, T210H, T210J, T210K, T210L, T210M, T210N	3A21		Jan. 29, 1980
APPLICABILITY LIST			
BRACKETT FILTER MODEL BA-2510			
Cessna R182, T182	3A13	Install BA-2510 Filter Assembly in accordance with installation instructions No. BA-2506 dated June 29, 1982 or later FAA approved revision.	July 20, 1982
APPLICABILITY LIST			
BRACKETT FILTER MODEL BA-2610L & R			
Gulfstream Aero-space 560, T60A 560E	TC 6A1	Install BA-2610 Filter Assembly in accordance with installation instructions PN 2610-02 dated Jan. 20, 1986 or later FAA approved revision.	Apr. 21, 1986
Commander 680	2A4		

FAA APPROVED
JUN 1 8 1992
US AIRCRAFT DIVISION
INITIALS: R. J. D. M.

Department of Transportation - Federal Aviation Administration Supplemental Type Certificate

Number SA71GL

This certificate is issued to Brackett Aircraft Company, Inc.

and that the design of the type design for the following product meets the limitations and conditions specified under the applicable Data Sheets or Aircraft Specifications.

Original Product - Type Certificate Number: As shown on Approved Model List(s)

Model:

Replacement of Type Design: Replace existing engine air filter frame assembly with Brackett Aircraft Specialties frame assembly in accordance with Approved Model List.

NOTE: FAA- Approved Model List(s) form a part of this certificate.

Limitations and Conditions: This approval should not be extended to other aircraft type design on which other previously approved modifications are incorporated in this model on the basis of the relationship between the relationship between the effect of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until the model is superseded or withdrawn or until the certificate is withdrawn by the Administrator.

Date of application: January 9, 1975
Date of issuance: February 21, 1975



Signature of the Administrator
Supervisor, Aircraft Modification Sec

Any alteration of this certificate is prohibited by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be reissued in accordance with FAA Form 8130-2 (10-60)

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Form Approved
Budget Bureau No. 04-R060.1

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE Cessna	MODEL R182
	SERIAL NO. 01229	NATIONALITY AND REGISTRATION MARK N757GT
2. OWNER	NAME (As shown on registration certificate) VAN DUSEN PISTON PRODUCTS	ADDRESS (As shown on registration certificate) 1701 E. Main St. Griffith, IN 46319

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				
POWERPLANT	LYCOMING	0-540-J1A5DcJ3C5D	L-19973-40A		X
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Van Dusen Piston Products 1701 E. Main St. Griffith, IN 46319	<input type="checkbox"/> U.S. CERTIFICATED MECHANIC	CRS#3125
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE 6-17-86	SIGNATURE OF AUTHORIZED INDIVIDUAL John L. Brza
-----------------	--

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 6-17-86		CERTIFICATE OR DESIGNATION NO. CRS#3125	SIGNATURE OF AUTHORIZED INDIVIDUAL John L. Brza	


NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

QTY	P/N REMOVED	DESCRIPTION	P/N INSTALLED
4	68316	Stud	67556
1	---	Adapter	LW16254
1	---	Tube asm.	LW16255
1	---	Gage asm.	LW16256
1	---	Bracket	75414
1	---	Plug	LW15556
4	70456	Mt. Leg	72306
1	LW13868	Crank & C/W Asm.	LW15564
2	72801	C/W Asm.	LW15526
2	72797	C/W Pin	76788
2	72965	C/W Pin	LW15558
1	72565	Support	LW13276
2	72377	Elbow	----
1	71651	Fitting	72996
1	LW14178	Plug	----
1	LW14828	Reducer	----
1	LW15571	Starter	LW15572
1	72056	Sump asm.	LW14927
6	70485	Intake Pipe	----
1	LW10540	Carb	LW15663
1	---	Intake Pipe	LW14931
1	---	Intake Pipe	LW14932
1	---	Intake Pipe	LW14933
1	---	Intake Pipe	LW14934
1	---	Intake Pipe	LW14935
1	---	Intake Pipe	LW14936

-END-


John L. Brza

☐ ADDITIONAL SHEETS ARE ATTACHED

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
Budget Bureau No. 04-R060.1

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE	CESSNA	MODEL	182 RG
	SERIAL NO.	182R01229	NATIONALITY AND REGISTRATION MARK	N757GT
2. OWNER	NAME (As shown on registration certificate)		ADDRESS (As shown on registration certificate)	
	MILTON T AVIATION		MILTON AIRPORT MILTON, FLA 32570	

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				XX
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS		B. KIND OF AGENCY		C. CERTIFICATE NO.
SOUTHERN AVIONICS & COMMUNICATIONS P.O. BOX 8922 BATES FIELD MOBILE, ALA 36608		U.S. CERTIFICATED MECHANIC		RS 702-101 RADIO I, II, III LIM. INSTRUMENT SPEC. SERVICE
		FOREIGN CERTIFICATED MECHANIC		
		XX CERTIFICATED REPAIR STATION		
		MANUFACTURER		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
10-18-84	<i>Joe Henderson</i>

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL	
10-18-84		RS 702-101	<i>Joe Henderson</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N757GT 10-18-84

Installed King KN 64 DME in accordance with manufacturer's installation manuals/instructions.
Operational check verified operation in accordance with Mfg's specifications.

Prepared supplement to weight & Bal./Equipment list.
Logbook entry made.

—END—

☐ ADDITIONAL SHEETS ARE ATTACHED

SUPPLEMENTAL

N 757GT S/N R18201229 DATE 10-18-84

A/C EMPTY WT 1825.7 EMPTY C.G. 34.14

EMPTY MOMENT 62334.05 USEFUL LD. 1274.3

ABOVE DATA TAKEN FROM WT & BAL BY MILTON T AVIATION DATED 12-2-83

NEW EMPTY WT. 1828.7 NEW EMPTY MOMENT 62372.45

NEW EMPTY CG	34.107	NEW USEFUL LOAD	1271.30
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SIGNED Joe Henderson DATE 10-18-84

SOUTHERN AVIONICS & COMMUNICATIONS RS 702-101

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

FOR FAA USE ONLY

OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE CESSNA AIRCRAFT COMPANY	MODEL R182
	SERIAL NO. 01229	NATIONALITY AND REGISTRATION MARK N757GT U.S.A.
2. OWNER	NAME (As shown on registration certificate) PARKER ENERGY RESOURCES	ADDRESS (As shown on registration certificate) RT. 9 BOX 278C, MILTON, FLA. 32570

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

5. TYPE

UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
TED L. RHODES 172 ERUDITION AVE. MILTON, FLA. 32570	<input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC	264256282
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE 11/3/83	SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Ted L. Rhodes</i>
------------------------	--

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	<input checked="" type="checkbox"/>	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	REPAIR STATION		CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 11/3/83		CERTIFICATE OR DESIGNATION NO. 264256282		SIGNATURE OF AUTHORIZED INDIVIDUAL <i>Ted L. Rhodes</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REMOVED ROYALITE RADIO BLANK-OFF PANEL FROM INSTRUMENT PANEL AND CUT 2"x3" HOLE IN PANEL AND INSTALLED CARBON MONOXIDE DETECTOR/ALARM, MODEL 15-200, S/N 012676, MANUFACTURED BY PARAGON SAFETY INSTRUMENTS, LTD.. INSTALLED ARM/DISARM SWITCH IN SERIES ON POSITIVE WIRE WITH $\frac{1}{2}$ AMP INLINE FUSE AND GROUNDED TO AIRCRAFT STRUCTURE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. RE-INSTALLED BLANK-OFF PANEL ON INSTRUMENT PANEL WITH DETECTOR INSTALLED. DETECTOR SYSTEM WAS TESTED AND ALL TESTS WERE SATISFACTORY. ALL WORK DONE IN ACCORDANCE WITH AC 43.13-1A, CHAPTER 11, SECTION 2, SUB-SECTION 429 AND 43.13-2A, CHAPTERS 1 AND 2. WEIGHT CHANGE AND CURRENT DRAW NEGLIGIBLE.

-----END-----

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

FOR F...
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE	Cessna	MODEL	R182
	SERIAL NO.	R18201229	NATIONALITY AND REGISTRATION MARK	N757GT
2. OWNER	NAME (As shown on registration certificate)		ADDRESS (As shown on registration certificate)	
	Ed Silvernelli + Sons		1405 S.R. 54 West Odessa Fla 33556	

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION				5. TYPE	
UNIT	MAKE	MODEL	SERIAL NO.	REPAIR	ALTERATION
AIRFRAME	***** (As described in item 1 above) *****				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
Nova Flite Center 1624 Bellevue Ave. Daytona Beach Fla. 32014	<input type="checkbox"/> U.S. CERTIFICATED MECHANIC	Limited-radio 708-33
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
11-5-79	<i>Dale E. Hatter</i>

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION		CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL	
11-5-79		708-33	<i>Dale E. Hatter</i>	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N757GT 11-5-79

Installed the following equipment: King KMA-24 audio panel, two KX-170B transceivers, KR-86 ADF receiver, KT-76A transponder, KI-208 navigation indicator, KI-209 navigation/glideslope indicator, KN-75 glideslope receiver, two KA-39 power converters, Narco AR-500 altitude encoder.

These units are installed in factory panel holes and on factory radio racks.

This installation was accomplished in accordance with A.C.43.13-1, chapter 11, section 2, paragraphs 424,428,429,430; section 3, paragraphs 443,445,447,449,450; chapter 16, section 1, paragraph 868 and A.C. 43.13-2, chapter 2, paragraphs 21,22,23; chapter 3, paragraph 33,36,37,38.

The calculated electrical load remains within 80% of the system capacity.

The aircraft equipment list and weight and balance data have been revised to include these units.

END

☐ ADDITIONAL SHEETS ARE ATTACHED

REVISED 12/2/83



MILTON T AVIATION

Phone (904) 623-4151 994-6455
Milton Airport, Milton Florida 32570

12/2/83

CESSNA R182 N757GT

SERIAL NUMBER: 01229

REVISED WEIGHT AND BALANCE DATA

	WEIGHT	ARM	MOMENT
PREVIOUS EMPTY WEIGHT:	1823.0 LBS.	34.14 IN.	62230.1 IN./LBS.

THE FOLLOWING EQUIPMENT
WAS ADDED:

(1) MARTECH, INC. 1301/1211 HALON FIRE EXTINGUISHER	WEIGHT: 2.7 LBS.	38.5 IN.	103.95 IN./LBS.
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(THIS INCLUDES MOUNTING
BRACKET AND HARDWARE)

NEW TOTAL EMPTY WEIGHT:	1825.7 LBS.	34.14 IN.	62334.05 IN./LBS.
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NEW EMPTY WEIGHT: 1825.7 LBS.

NEW USEFUL LOAD: 1274.3 LBS.

NEW AIRCRAFT C.G.: 34.14 IN.

NEW MOMENT: 62334.05 IN./LBS.

PREPARED BY: TED L. RHODES
A&P 264256282
172 ERUDITION AVE.
MILTON, FLA. 32570

Ted L. Rhodes
A&P 264256282
TED L. RHODES